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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



SATURN V PROGRAM DIRECTIVE

NUMBER: 38

SUBJECT: CONTROL OF NON-FLIGHT HARDWARE INSTALLED ON
SATURN V FLIGHT STAGES

ORIGINAL ISSUE DATE: Nov. 25, 1966 REVISION NUMBER: _____

DATE OF REVISION: _____ PREPARED BY: SATURN V TEST MANAGEMENT
OFFICE (I-V-T)

PHONE: 876-1574/McLaughlin

I. PURPOSE

This Program Directive establishes:

CONTROL OF NON-FLIGHT HARDWARE INSTALLED ON
SATURN V FLIGHT STAGES.

II. DEFINITION

Non-flight hardware, as referred to herein, is hardware installed but not intended to be flown on a flight stage; e.g., dummy hardware, dust covers, small plastic caps or tape.

III. SCOPE

This Program Directive is applicable to all MSFC elements responsible for Saturn V flight stage (including instrument unit) design, fabrication, assembly, test, manufacturing checkout, pre-firing checkout, captive (acceptance) firing, post-firing checkout and shipment.

IV. REFERENCE

I-IB/V-TD Nr 100, dated March 16, 1966, subject: Procedure for Certification of Flight Worthiness.

V. POLICY

A. Strict control shall be established to:

- o Minimize installation of non-flight hardware on flight stages.

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V. POLICY (Continued)

- o Provide an accurate record of non-flight hardware installed on flight stages at the time of turnover of stages from MSFC to KSC. (See Endorsement 4, COFW, reference paragraph IV above.)
- B. After turnover of flight stages from MSFC to KSC, identification and control of non-flight hardware will be in accordance with KSC procedures.

VI RESPONSIBILITIES

Saturn V Stage Managers shall:

- Establish and implement of stage contractor procedures to control the installation and removal of non-flight hardware installed on flight stages
- o Provide a certified log of non-flight hardware installed on flight stages at the time of turnover of the stages from MSFC to KSC. (See Endorsement 4, COFW, reference paragraph IV above.)

VII. PROCEDURE

The certified log of non-flight hardware shall become part of the data package delivered to KSC at the time of turnover of the flight stage from MSFC to KSC.

VIII. IMPLEMENTATION

This directive shall be implemented immediate



Arthur Rudolph
Manager, Saturn V Program

Distribution:
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